



2834

PATENT APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yoshihito ASAO, et al.

Appln. No. 09/698,206

Group Art Unit: 2834

Confirmation No.: Not yet assigned

Examiner: Not yet assigned

Filed: October 30, 2000

For: ALTERNATOR

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TC 2834 MAIL ROOM

STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned hereby states:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of said Information Disclosure Statement.

Respectfully submitted,

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Date: June 11, 2001



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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
Washington, D.C. 20231

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TC 2800 MAIL ROOM

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

However, since a statement can be made, a Statement is being filed so that in the event an Office action has issued but has not yet been received by the undersigned, the Examiner will proceed to consider this Information Disclosure Statement.

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No. 09/698,206

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents Applicants submit the attached translation of an Office Action received in the corresponding Japanese application. Complete copies of the underlying Japanese applications are attached for the Examiner's convenience.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Date: June 11, 2001



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4-28
Reference Number 521480JP02 Forwarding Number 053647
M17379 Forwarding Date February 27, 2001
1/5

Rejection Reason Notification

Patent Application No. 2000-162210
Draft Date February 21, 2001
Patent Office Examiner Yoneyama Takeshi 9324 3V00
Patent Applicant Agent Soga Michitoshi (and 6 Others) Mr.
Applicable Provisions Article No. 29 Item No. 2
[No.] 2 of Article No. 29
Article No. 36

This application should be rejected due to the following reasons. Please send a Written Opinion within 60 days from the forwarding date of this Notification when there is an opinion regarding this.

Reasons

<1> The invention pertaining to the following claims of this application is based on the inventions that are described in the following publications which were distributed within Japan and abroad prior to that application and a patent cannot be granted according to the provisions of Patent Law Article No. 29 Item No. 2 since there is the possibility of being easily invented by a person having general knowledge in the technological field that is affiliated with the invention prior to the application.

Record (Refer to the List of Cited Documents for the Cited Documents)

•Claims 1-3
•Cited Documents 1, 2
•Remarks

Document 1 describes the points of a polyphase stator winding, with strands of long length repeated at outside slots of a stator core terminal surface side, having a plurality of windings such as mutually having an inner layer and an outer layer toward the slot depth within the above-mentioned slots for every set slot number.

Continued
Forwarding Number 053647
Forwarding Date February 27, 2001

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JUN 13 2001
2/5
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Continuation

The point of a stator core being constructed from a arc shaped divided core section does not exceed conventional technology as described in Cited Document 2, for example.

- Claims 4-6
- Cited Documents 1-3
- Remarks

The point of the core section, having a butt section only at one place, that is formed in a ring shape by butting does not exceed conventional technology as is described in Cited Document 3, for example.

- Claim 7
- Cited Documents 1-6
- Remarks

An iron core that is formed such as the radius of curvature becoming large by spreading toward the circumference from the divided part does not exceed conventional technology as is described in Cited Documents 4-6, for example. "Notched section 111", of Cited Document 4, "upper end open section 27" of Cited Document 5 and "yoke section fit section" of Cited Document 6 all correspond to "divided section" of the present application.

- Claims 8, 11, 12
- Cited Documents 1-3
- Remarks

The point of applying things like a conventional wound iron [rolled] core and a unibody tape shape as a construction of a peripheral iron core section cannot be recognized as technologically complex.

- Claims 9, 10, 13-15
- Cited Documents 1-6
- Remarks

The dimensions of the inner and outer iron core sections do not exceed items that should be suitably determined by one skilled in the art during embodiment.

- Claim 16
- Cited Documents 1-6
- Remarks

The point of applying a conventional press fit as a unifying means of the inner and outer cores cannot be recognized as technologically complex.

•Claim 17

3/5

•Cited Documents 1-6
•Remarks

The point of the formation of a cut section that decreases the spreading force in a direction with a small radius of curvature does not exceed conventional technology as is described in Cited Document 3, for example.

•Claim 18
•Cited Documents 1-7
•Remarks

The point of a butt section being formed by teeth does not exceed conventional technology as is described in Cited Documents 3 and 7, for example.

•Claim 19
•Cited Documents 1-8
•Remarks

The point of having teeth with differing width dimensions toward the circumference does not exceed conventional technology as is described in Cited Document 8, for example.

Further, the suitable determination of a butt section that is established with teeth when applying conventional technology with a butt section formed by teeth does not exceed an item that should be ordinarily considered by one skilled in the art.

<2> The invention pertaining to the following claims of this application has the patent (application for utility model registration) application prior to that application with the same invention (device) that is described in the Figures or Specifications that are initially attached to the application of the following patent (application for utility model registration) application which was done by laid-open application or application publication (publication in a patent publication gazette or publication in a utility model publication gazette) after that application; also, the inventor of this application is not the same person that invented (devised) the aforementioned pertaining to the patent (application for utility model registration) application prior to that application at the time of this application and that applicant is not the same as the applicant of the aforementioned patent (application for utility model registration) application, thus a patent cannot be granted due to the provisions of [No.] 2 of Patent Law Article No. 29.

Record (Refer to the List of Cited Documents for the Cited Documents)

•Claims 1-9
•Cited Document 9
•Remarks

The application of conventional technology (Refer to the above-mentioned Reason <1>, if necessary.)

4/5

does not exceed minute differences in the concrete means for solving problems, thus is essentially identical to Cited Document 9.

<3> The description of the Claims of this application does not fulfill the conditions that are provided in Patent Law Article No. 36 Item No. 6 No. 2 at the following points.

Record

(1) The construction of a polyphase stator winding as described in Claims 1 and 4 as "The aforementioned polyphase stator winding with strands of long length repeated at outside slots of a stator core terminal surface side, having a plurality of windings such as mutually having an inner layer and an outer layer toward the slot depth within the above-mentioned slots for every set slot number," is unclear.

(2) The construction of a core back as described in Claim 3 as "A stator core having an undivided unibody core back" is unclear.

Rejection reasons are not detected for the invention pertaining to the claims outside the claims indicated by this rejection reasons notification document at the present point in time. There is notification of rejection reasons in cases where rejection reasons are newly detected.

List of Cited Documents

1. Publication of Japanese Laid-Open Patent No. H11-187599
2. Publication of Japanese Laid-Open Patent No. H8-019196
3. Publication of Japanese Laid-Open Patent No. H1-252141
4. Publication of Japanese Laid-Open Patent No. H10-271716
5. Publication of Japanese Laid-Open Patent No. H10-084650
6. Publication of Japanese Laid-Open Patent No. H4-344138
7. Publication of Japanese Laid-Open Patent No. S53-091302
8. Publication of Japanese Laid-Open Patent No. H11-289695
9. Japanese Patent Application No. H10-292036
(Refer to the Publication of Japanese Laid-Open Patent No. 2000-125512)

Prior Art References Search Result Record

•Searched Fields IPC 7th Edition H02K 1/00-1/16

5/5

H02K 1/18-1/26
H02K 1/28-1/34
H02K 3/00-3/28

•Prior Art References

(For Butt Section)

Publication of Japanese Laid-Open Patent No. H7-067273

Publication of Japanese Laid-Open Patent No. H1-264548

Japanese Utility Model Early Disclosure No. S51-072103

(For Inner and Outer Iron Core Section)

Publication of Japanese Laid-Open Patent No. S60-046745

This prior art reference search result record is without the formation of rejection reasons.

Please contact the following representative when there are questions about the content of the rejection reasons or when an interview is desired.

Representative

Patent Office Examiner of Patents Second Section

Electric Motor Control

Person in Charge: Yoneyama Takeshi

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